DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES RECEIVED FORM 2 Managerals & Mining Program - Oil & Gas Section 2050 West Main, Suite #1, Rapid City, SD 57702-2493 Telephone: 605-394-2229, FAX: 605-394-5317 OCT 2 1 2009

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DEPT OF ENVIRONMENT & NATURAL RESOURCES - RAPID CITY

outh ironment District Of EXPRESCATION FOR PERMIT TO DRILL

Type of Work: X Drill New Well							
Name and Address of Operator Telephone							
LUFF EXPLORATION COMPANY, 1580 LINCOLN STREET, SUITE 850, DENVER, CO 80203 (303) 861-2468							
Name and Address of Surface Owner Leroy Abrahamson, 10004 147th St. SW, Bowman, ND 58623							
Name and Address of Drilling Contractor and Rig Number: TBD							
Surface Location of Well: Qtr-Qtr, Sec, Twp, Rge, County, Feet from Nearest Lines of section, and latitude and longitude (if available): SESW Sec. 21-T23N-R6E, Harding County, 935' FSL x 1500' FWL; Lat = 45° 56' 17.91", Long = 103 23' 28.62"							
If Directional, top of pay and bottom hole location from nearest lines of section: East Lateral: Top est @ 9,273' MD = 9,000' TVD; BHL: 185' FSL 2,149' FWL, Sec.22-T23N-R6E							
Acres in Spacing (Drilling) Unit Total Unitized area: approx. ± 4836 acres Description of Spacing Unit Pete's Creek Red River Unit							
Well Name and Number	Elevation	Fiel	Field and Pool, or Wildcat		Proposed Depth and Formation		
PCRRU N-21H	2000 6		Pete's Creek Red River Unit		Lat: 9,000' TVD; 14,787' MD; RR		
Size of Hole Size of Ca			Red River	в Cementing Program (ат	ount type additive	(25	Depth
1) 13-1/2" 9-5/8"			2,000'	440 sks Lite Tailed w			Surface
2) 8-3/4" 7"	23#, 26	# & 29#	9,273' 1st Stage = 440 sks "G" 6,500'				6,500'
3) 4)				2nd Stage = 165 sks	tage = 165 sks Lite Tailed w/ 220 sks "G" 4,200		4,200'
Describe Proposed Operations (Clearly State all Pertinent Details, and Give Pertinent Dates, Including Estimated Date of Starting any Proposed Work). Use Additional Page(s) if appropriate.							
Drill a medium radius horizontal well in the Red River 'B" formation. Drill 13-1/2" surface hole to 2,000' with fresh water. Run 9-5/8" casing and cement to surface. Drill 8-3/4" vertical hole to KOP at approx. 8,523'. Drill build section with an azimuth of approx. 93 deg. and land in the top of the "B" zone at 9,273' MD = 9,000' TVD with a BHL 22' south and 477' east of surface location. Vertical and build sections to be drilled with invert oil							
mud. Run 7"casing and ceme							
FSL and 2,149 FWL Sec. 22-T23N-R6E. Fresh water/polymer will be used for the horizontal section. All drilling fluids and cuttings will be contained							
in a pit lined with a 12 mil plastic. All liquids will be disposed of in an approved method, the liner and cuttings will be buried in place. The estimated start date for location construction is 11/1/09. Estimated start date for drilling is 2/26/10.							
CA.							
I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation.							
	I	David A. Norby		Operations Ma	anager	10 (19/09	1
Signature		Name (Print)		Title		Date	
FOR OFFICE USE ONLY							
Approved by: Title: 011 and Gas Supervisor							
Permit No. 1957 API No. 40 063 20696 Date Issued: November 9, 2009							
Conditions, if any, on attached page.							